Sound Artillery

Moonn Electronics

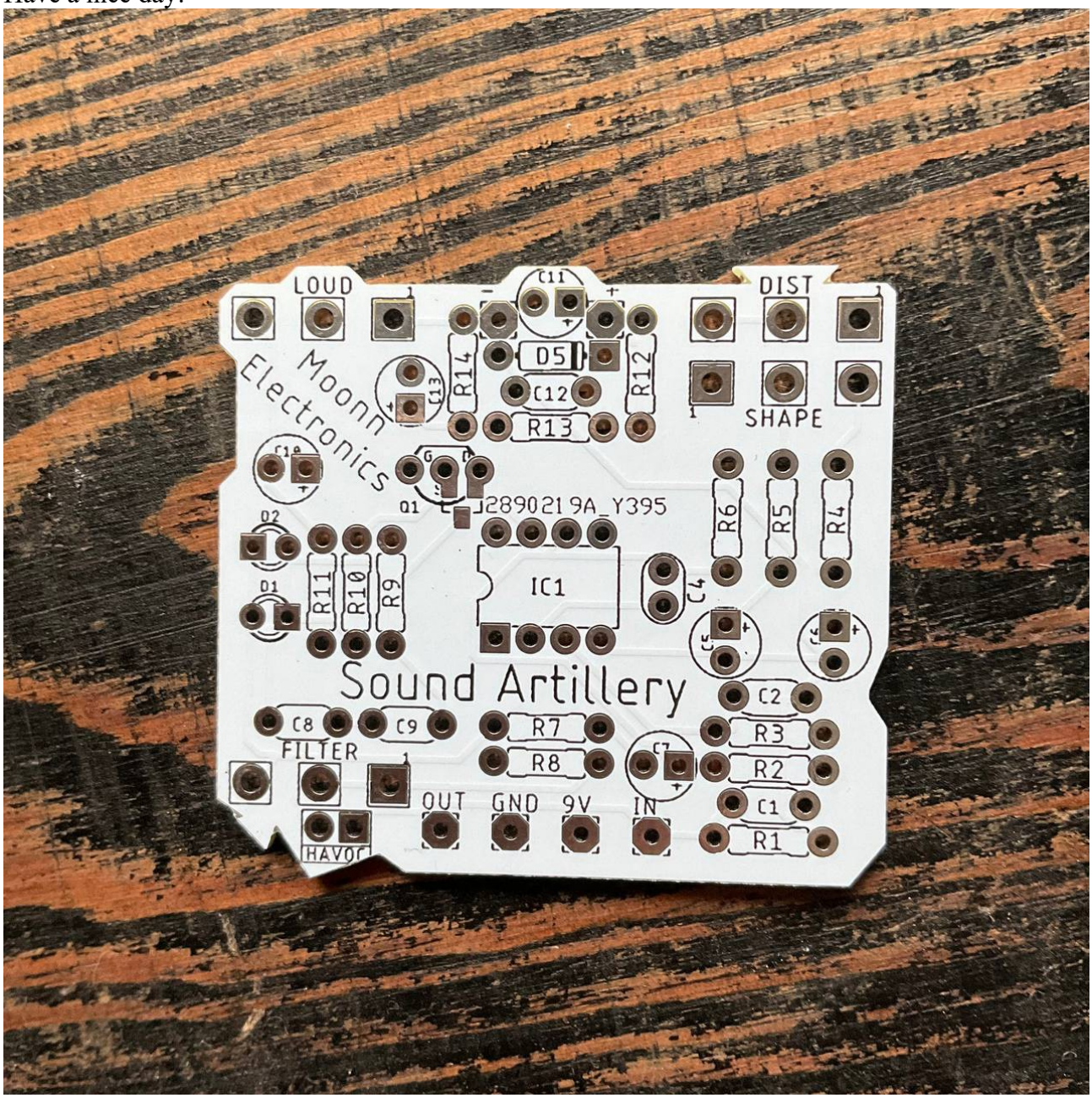
Use me to build a clone of the old version of the Caroline Wave Cannon

Hi there!
Thank you for building me!

Please read about the different options for my HAVOC switch
It is really important to me

If you have any questions or anything else to say, just write an email to
moonnelectronics@gmail.com

Have a nice day!



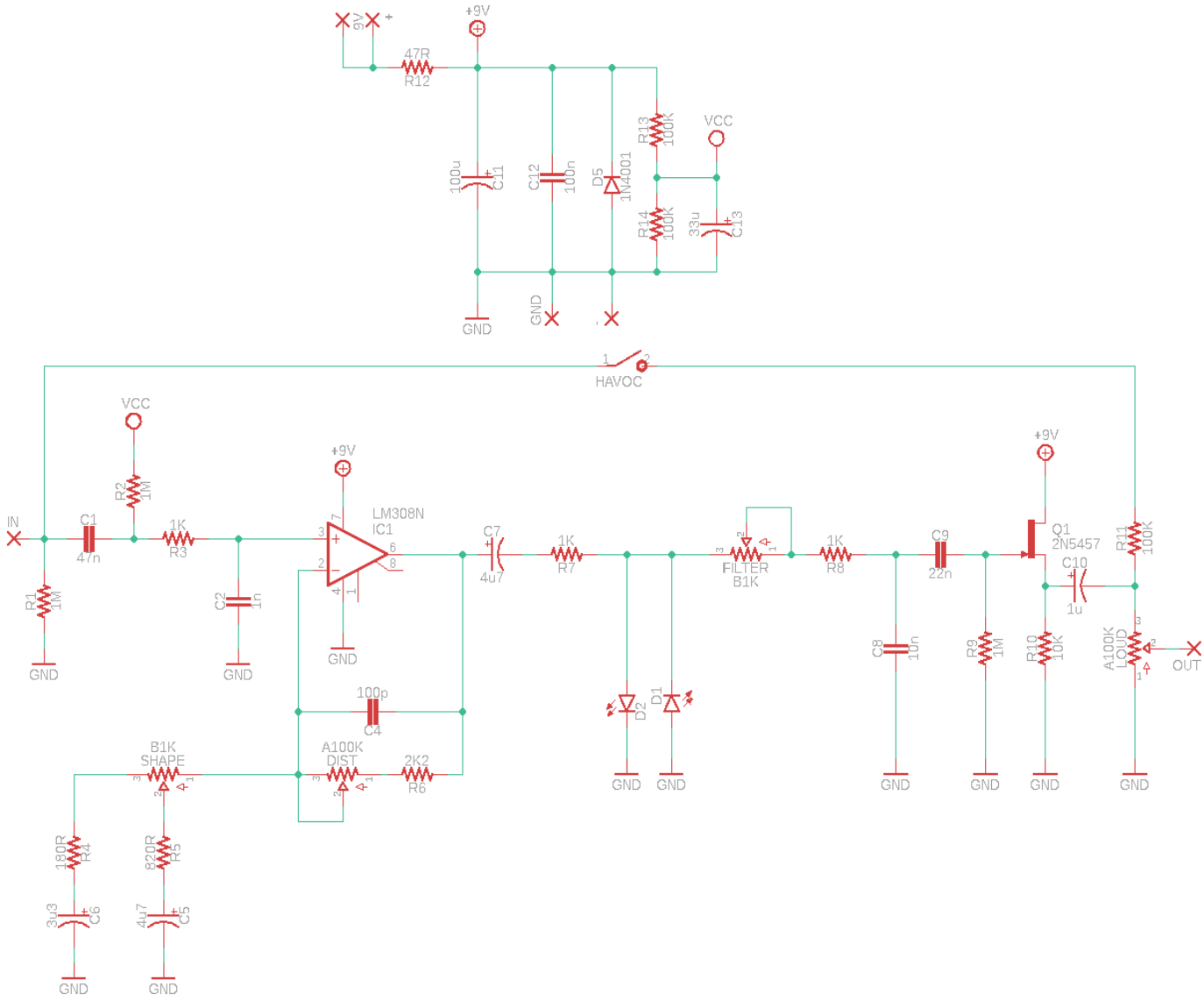
Moonn Electronics is in no way affiliated with Caroline Guitar Company

Bill of Materials

Qty	Value	Parts
Resistors		
1	47R	R12
1	180R	R4
1	820R	R5
3	1K	R3, R7, R8
1	2K2	R6
1	10K	R10
3	100K	R11, R13, R14
3	1M	R1, R2, R9
Ceramic and Film Capacitors		
1	100p	C4
1	1n	C2
1	10n	C8
1	22n	C9
1	47n	C1
1	100n	C12
Electrolytic Capacitors		
1	1u	C10
1	3u3	C6
2	4u7	C5, C7
1	33u	C13
1	100u	C11
Semiconductors		
2	Red LED	D1, D2
1	1N4001	D5
1	2N5457	Q1
1	LM308	IC1
Switches and Potentiometers		
1	Momentary Footswitch*	HAVOC
2	B1K	FILTER, SHAPE
2	A100K	DIST, LOUD

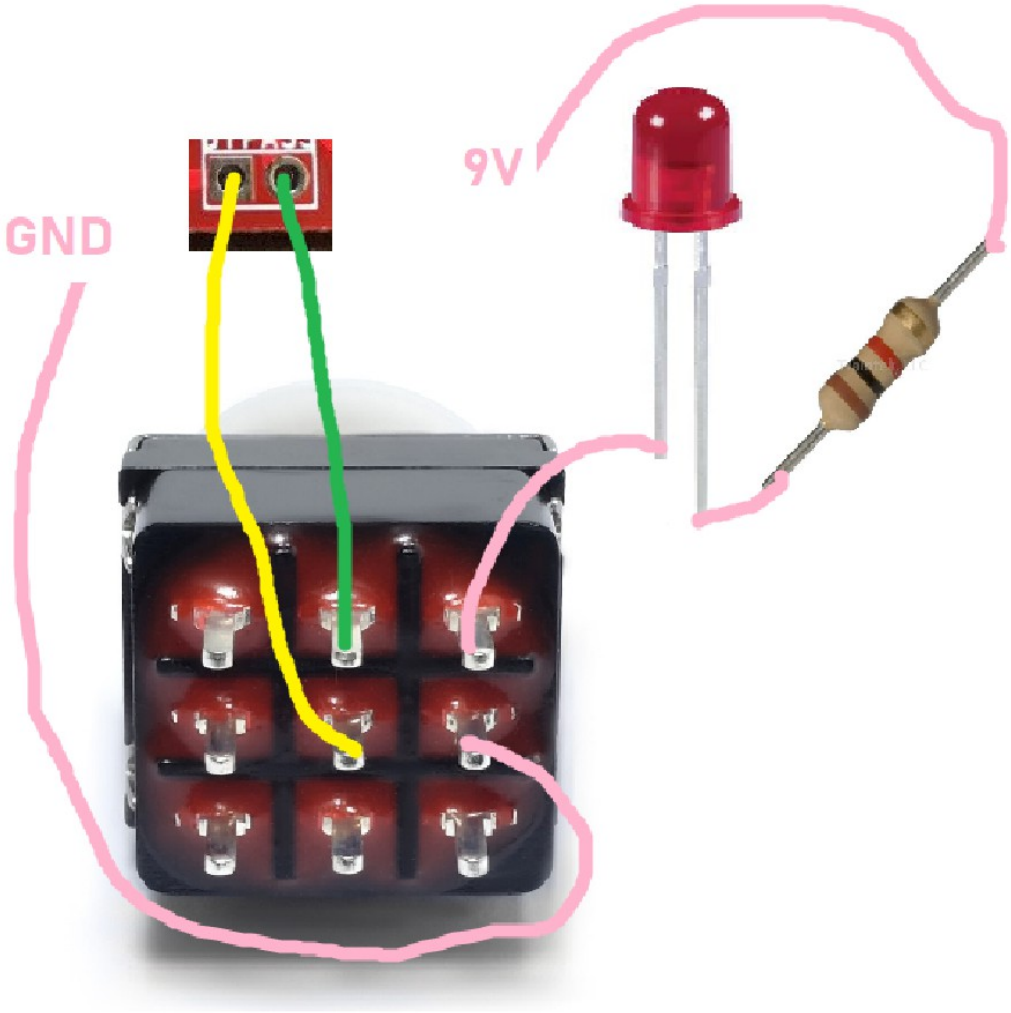
*The original uses a SPDT toggle switch but the momentary is more fun in my opinion
Another option is to use a regular 3PDT Footswitch with an LED

Schematic


9V
+9V
47R
R12
100u
C11
C12
100n
D5
1N4001
R13
100K
VCC
R14
100K
33u
C13
GND
HAVOC
IN
C1
47n
R2
1M
1K
R3
R1
1M
C2
1n
LM308N
IC1
C7
4u7
1K
R7
FILTER
B1K
1K
R8
C9
22n
Q1
2N5547
C10
1u
R11
100K
C8
10n
R9
1M
R10
10K
A100K
LOUD
OUT
100p
C4
B1K
SHAPE
A100K
DIST
2K2
R6
D2
D1
180R
R4
820R
R5
3u3
C6
4u7
C5

Offboard Wiring

Havoc Switch (only if you want to use a 3PDT footswitch)



Offboard Wiring

Bypass